

In re Patent Application of:

JAMES MENTZ ET AL.

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In the Abstract:

Coupling circuitry implemented with passive components is added to a conventional power supply to enable communications access to a power-line network by a device designed for power-line communications (~~"PLC device"~~), ~~in order to achieve certain benefits including minimizing costs (PLC).~~ While Conventional conventional PLC devices access the power-line network via coupling circuitry built into the PLC device and a separate cable that connects the PLC device to a power outlet. ~~With this invention,~~ the current PLC device may use the coupling circuitry that is built into a host's existing power supply, thus providing at least two distinct advantages: 1) only one cable is necessary to connect the host device to the power-line network, and 2) the design of the PLC device is simplified since it is not connected to high-voltage line.